

Abstract of the Disclosure

The present invention provides an application authentication system capable of authenticating an application on a terminal device, which does not have a secure information concealing area, by a secure device. In an application authentication system in which a secure device 10 fitted to a terminal device 30 that has no secure information concealing area authenticates an application 31 stored in the terminal device, the secure device 10 authenticates an application running means 33 stored in an unwritable area 302 of the terminal device, and also authenticates the application based on a process applied to the application 31 by the application running means to request an access to the secure device. Since the terminal authentication by the secure device and the application authentication executed within the terminal device are coupled in combination, the secure device can authenticate the application operated on the terminal device without the secure information concealing area.